

# CHROMATOGRAPHY

## ION EXCHANGE

### GROUP 8: CATION EXCHANGERS ON POLYSTYRENE

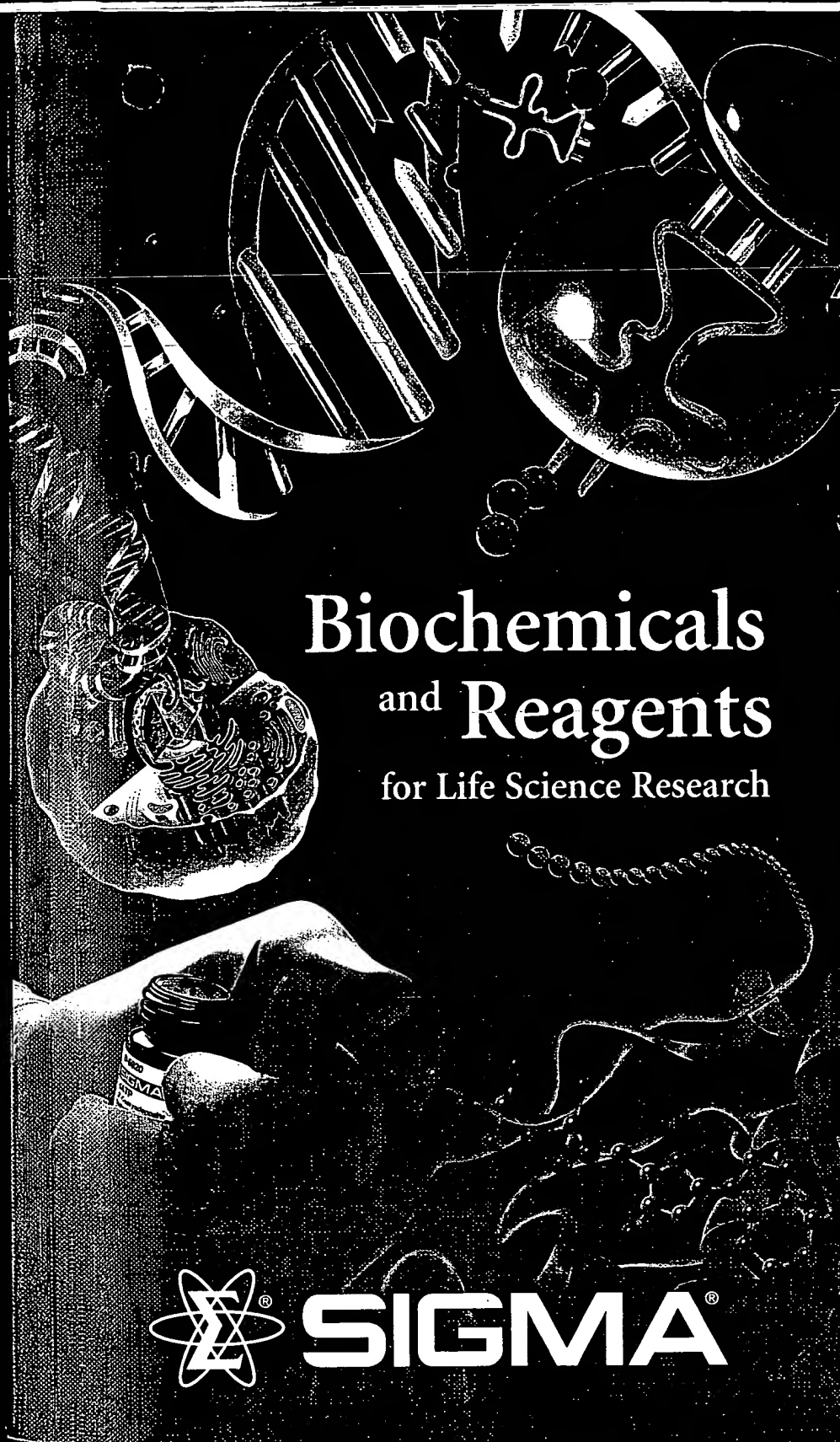
Product Number	Cross-linkage (%)	Matrix*	Mesh Size	Ionic Form	Moisture Content (%)	Max. Oper. Temp. (°C)	Exchange Capacity		pH Range
							meq/ml	meq/g	
Amberlite Strongly Acidic Cation Exchangers									
200	20	Mr	16-50	Na <sup>+</sup>	48	150	1.7	4.2	0-14
IR-118H	4.5	G	16-50	H <sup>+</sup>	65	120	1.3	4.9	0-14
IR-120PLUS	8	G	16-50	Na <sup>+</sup>	45	120	1.9	4.4	0-14
IR-122	10	G	16-50	Na <sup>+</sup>	40	120	2.1	—	0-14
IR-130C	—	G	16-50	Na <sup>+</sup>	46	120	1.9	4.4	0-14
1641	8	G	100-200	Na <sup>+</sup>	10-20	120	1.9	4.4	0-14
IRP-69	8	G	100-500	Na <sup>+</sup>	10	120	1.9	4.3	0-14
Dowex 50W Strongly Acidic Cation Exchangers									
50X1-100	1	G	50-100	H <sup>+</sup>	51-54	150	1.8	4.8	0-14
50X2-100	2	G	50-100	H <sup>+</sup>	74-82	150	0.6	4.8	0-14
50X2-200	2	G	100-200	H <sup>+</sup>	74-82	150	0.6	4.8	0-14
50X2-400	2	G	200-400	H <sup>+</sup>	74-82	150	0.6	4.8	0-14
50X2-10C	4	G	50-100	H <sup>+</sup>	64-72	150	1.1	4.8	0-14
50X4-200	4	G	100-200	H <sup>+</sup>	64-72	150	1.1	4.8	0-14
50X4-200R	4	G	100-200	H <sup>+</sup>	64-72	150	1.1	4.8	0-14
50X4-400	4	G	200-400	H <sup>+</sup>	64-72	150	1.1	4.8	0-14
18890	8	G	16-40	H <sup>+</sup>	51-54	150	1.8	4.8	0-14
50X3-100	8	G	50-100	H <sup>+</sup>	50-56	150	1.7	4.8	0-14
50X3-200	8	G	100-200	H <sup>+</sup>	50-58	150	1.7	4.8	0-14
50X3-400	8	G	200-400	H <sup>+</sup>	50-58	150	1.7	4.8	0-14
Dalton Strongly Acidic Cation Exchangers									
1-3561	14	P	16-50	Na <sup>+</sup>	40	120	2.0	4.2	0-14
1-3565	8	G	16-50	Na <sup>+</sup>	46	120	1.9	3.6	0-14
1-3570	8	G	150-350µm	Na <sup>+</sup>	46	120	1.9	4.0	0-14
1-3573	4	G	16-50	Na <sup>+</sup>	62	120	1.2	4.0	0-14
1-3577	12	G	16-50	Na <sup>+</sup>	37	120	2.1	3.9	0-14
1-3581	16	G	16-50	Na <sup>+</sup>	32	120	2.1	3.6	0-14
DuoLita Strongly Acidic Cation Exchangers									
D 5427	—	Mr	16-50	Na <sup>+</sup>	52	110	2.0	5.6	0-14
D 5552	—	Mr	16-50	Na <sup>+</sup>	52	110	1.7	4.8	0-14
Amberlite Weakly Acidic Cation Exchangers									
DF-1	4	Mr	16-50	Na <sup>+</sup>	67	120	2.5	8.1	5-14
IRC-50	4	Mr	16-50	H <sup>+</sup>	48	120	3.5	10.0	5-14
CG-50	4	Mr	100-200	H <sup>+</sup>	5	120	3.5	10.0	5-14
IRP-44	4	Mr	100-500	H <sup>+</sup>	10	120	3.5	10.0	5-14
IRP-68	4	Mr	100-500	K <sup>+</sup>	10	120	2.5	10.0	5-14
D 7416	—	G	16-50	H <sup>+</sup>	50	—	4.2	5.5	5-14
Dalton Weakly Acidic Cation Exchangers									
1-3585	—	Mp	16-50	H <sup>+</sup>	43	120	3.5	8.9	4-14
1-3589	—	Mp	16-50	H <sup>+</sup>	49	120	2.8	9.0	4-14
1-3593	—	Mp	100-200µm	H <sup>+</sup>	50	120	3.0	9.0	4-14
DuoLita Weakly Acidic Cation Exchangers									
D 7416	—	G	16-50	H <sup>+</sup>	50	120	4.2	10.7	4-14
D 5677	—	Mr	20-50	H <sup>+</sup>	56	120	2.7	8.0	5-14

\*Matrix: G = gel Mp = macroporous P = porous HP = highly porous

Chromatography

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